Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/12/2018 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124570	-1	2.12	124597	2.16
Blue	F	SSC	125000	124590	-1	1.96	125274	1.94
Blue	E	FITC	16596	16149	-3	3.13	349	21.27
Blue	D	PE	29392	28690	-3	2.33	625	16.23
Blue	B	PerCP-Cy5-5	38531	38615	0	4.38	1177	22.99
Blue	A	PE-Cy7	26351	26279	-1	8.02	635	45.40
Red	C	APC	43035	41931	-3	2.93	1575	13.40
Red	A	APC-Cy7	25611	25328	-2	3.23	875	13.31
Violet	B	V450	8803	8366	-5	4.06	458	14.00
Violet	A	V500	32560	31996	-2	3.82	743	10.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20526	4.12	610	13	N/A	N/A	Pass
Blue	F	SSC	56225	1.64	574	19	N/A	N/A	Pass
Blue	E	FITC	62	68.71	559	9	0.0174	163	Pass
Blue	D	PE	129	57.56	559	10	0.1470	351	Pass
Blue	B	PerCP-Cy5-5	225	54.09	665	14	0.0071	30	Pass
Blue	A	PE-Cy7	126	112.53	722	17	0.0091	31	Pass
Red	C	APC	370	28.47	602	5	0.0201	157	Pass
Red	A	APC-Cy7	212	29.14	577	6	0.0044	875	Pass
Violet	B	V450	74	61.96	477	2	0.0484	2154	Pass
Violet	A	V500	110	32.62	488	4	0.0197	380	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.04	-31.85	1.11
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	16.70	13.60 - 20.40	N/A	N/A	29.32	29.52	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12837

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments